Title (en)

PROCESS FOR THE ENHANCEMENT OF CYCLE LIFE OF A ZINC-CHROMIUM BASED CATALYST IN THE SYNTHESIS OF 2-METHYLPYRAZINE

Title (de)

VERFAHREN ZUR ERHÖHUNG DER LEBENSDAUER EINES AUF ZINK-CHROM BASIERENDEN KATALYSATORS BEI DER SYNTHESE VON 2-METHYLPYRAZIN

Title (fr)

PROCEDE SERVANT A AUGMENTER LA DUREE DE VIE D'UN CATALYSEUR A BASE DE ZINC-CHROME DANS LA SYNTHESE DE 2-METHYLPYRAZINE

Publication

EP 1373226 B1 20070704 (EN)

Application

EP 01934298 A 20010330

Priority

IN 0100069 W 20010330

Abstract (en)

[origin: WO02079171A1] The present invention relates to enhancement of the cycle life of a zinc chromium based catalyst used in the synthesis of 2-methylpyrazine by increasing the reaction temperature step-wise, starting from a low temperature, while monitoring the levels of total conversion and selectivity towards pyrazine. The catalyst can be regenrated after each cycle of use without substantial loss of activity.

IPC 8 full level

C07D 241/12 (2006.01); **B01J 8/02** (2006.01); **B01J 23/26** (2006.01); **B01J 23/60** (2006.01); **B01J 23/652** (2006.01); **B01J 23/90** (2006.01); **B01J 23/92** (2006.01); **B01J 23/96** (2006.01); **B01J 27/053** (2006.01); **B01J 33/00** (2006.01); **B01J 38/06** (2006.01); **B01J 38/10** (2006.01); **B01J 38/12** (2006.01); **C07B 61/00** (2006.01); B01J 23/06 (2006.01); B01J 37/02 (2006.01)

CPC (source: EP KR)

B01J 8/0285 (2013.01 - EP); **B01J 23/26** (2013.01 - EP); **B01J 23/6522** (2013.01 - EP); **B01J 23/92** (2013.01 - EP); **B01J 23/96** (2013.01 - EP); **B01J 27/053** (2013.01 - EP); **B01J 38/50** (2013.01 - KR); **C07D 241/12** (2013.01 - EP); B01J 23/06 (2013.01 - EP); B01J 23/60 (2013.01 - EP); B01J 37/0201 (2013.01 - EP); B01J 38/06 (2013.01 - EP); B01J 38/10 (2013.01 - EP); B01J 38/12 (2013.01 - EP); Y02P 20/584 (2015.11 - EP)

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

WO 02079171 A1 20021010; AT E366243 T1 20070715; CN 1233632 C 20051228; CN 1494533 A 20040505; DE 60129255 D1 20070816; EP 1373226 A1 20040102; EP 1373226 B1 20070704; JP 2004533913 A 20041111; KR 100620789 B1 20060913; KR 20040004570 A 20040113

DOCDB simple family (application)

IN 0100069 W 20010330; AT 01934298 T 20010330; CN 01823096 A 20010330; DE 60129255 T 20010330; EP 01934298 A 20010330; JP 2002577798 A 20010330; KR 20037012759 A 20030929